

Figure 1

Antibiotic	-	Inh	Inh	Inh	Emb	Strep	Rif
		0.01	0.1	1.0			



ini A



16 S

Strain *M. tuberculosis* (Erdman)

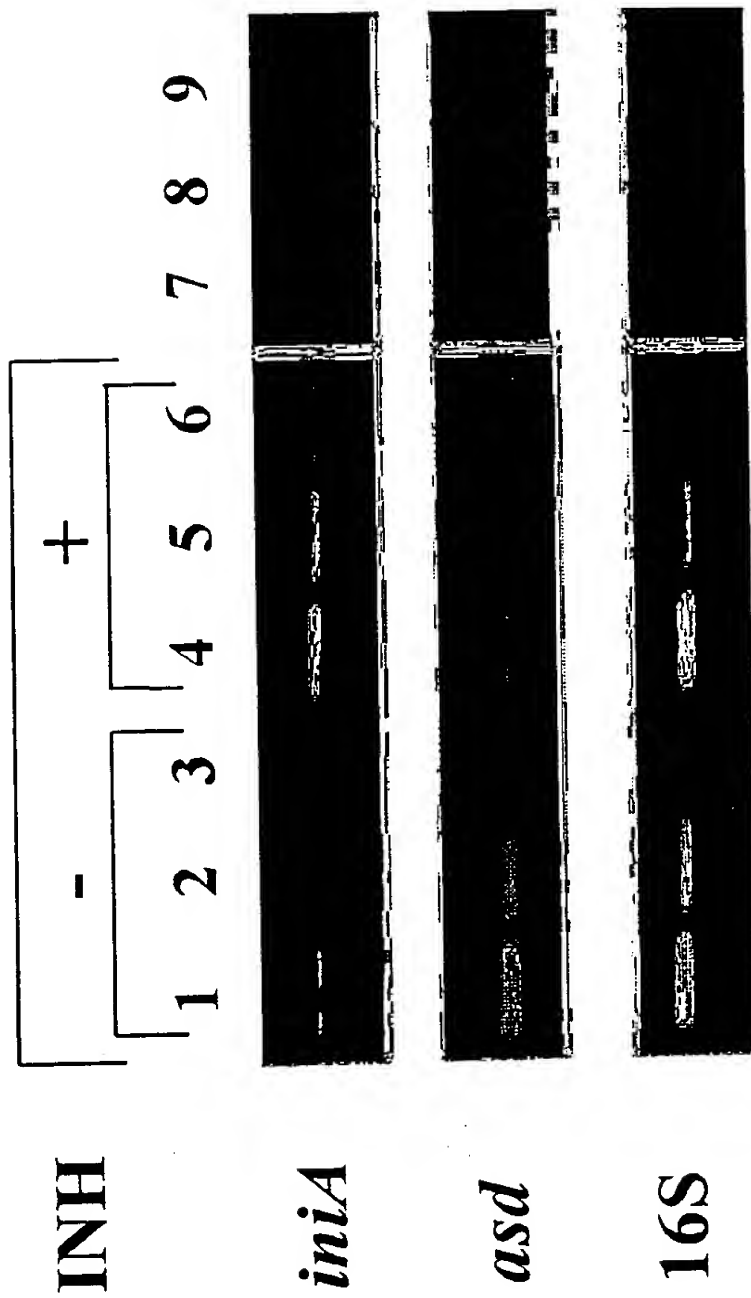


Figure 2A

Figure 3

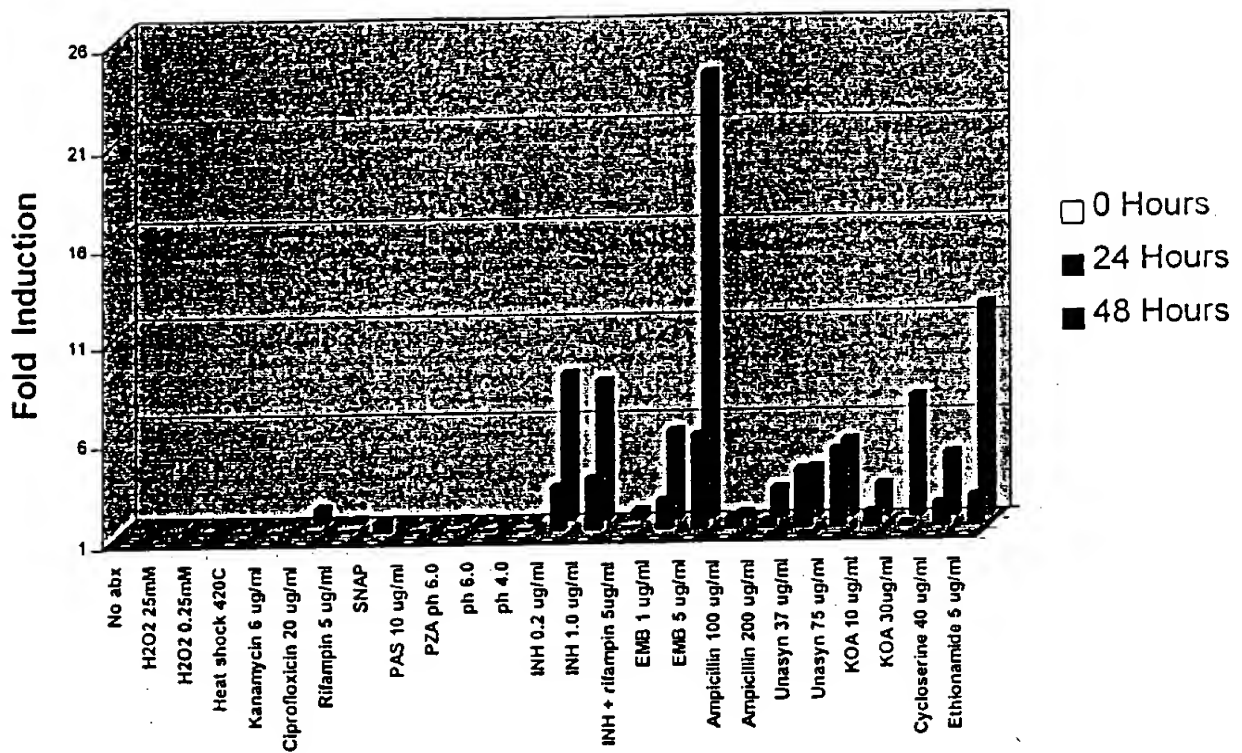
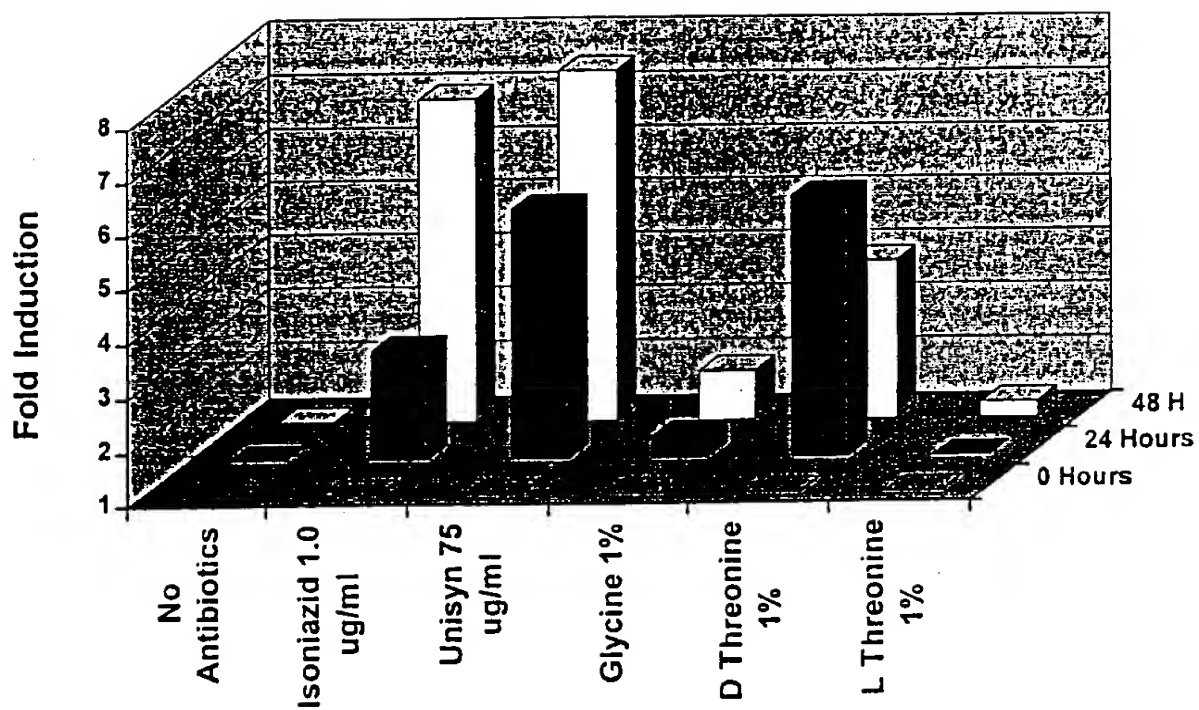


Figure 4



101520" T550T550

Luciferase induction by iniA promoter

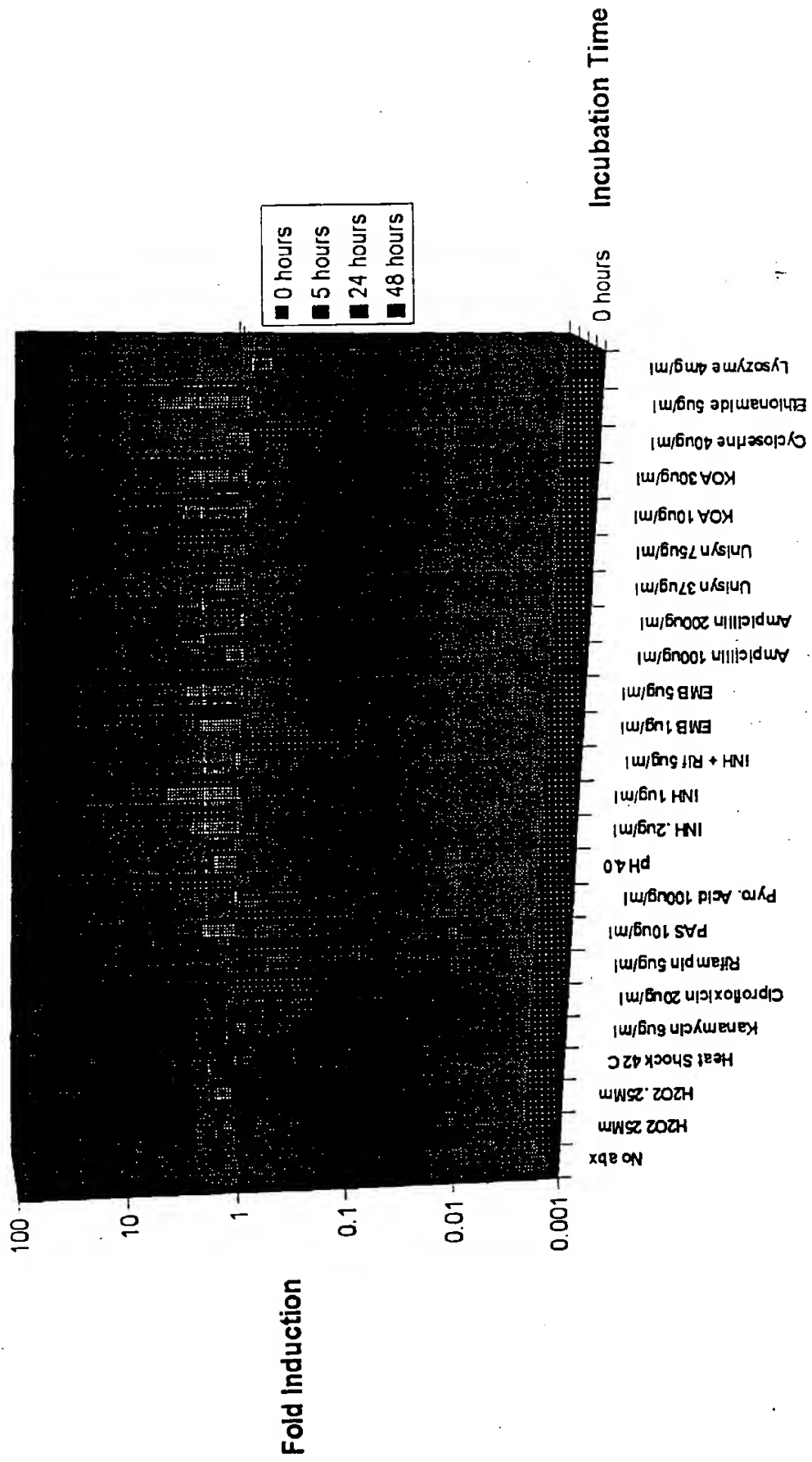


Figure 5

Figure 6A

Cosmid MTCY279:

9048 cac ggctacgaca
9061 tccacggata agttccggac cggcgtaggg gtgccccatt

Cosmid MTY13E10:

1 tcccctaate ccctaacgcg gcggccaggc cgatcccgat aggtgtttgg ccggttgcg
61 gatcagaccc cgatttcggg gtgaggcggg atccatagcg tcgatggcac agcgccggtc
121 acgccggcga acagcttctt cgattgaagg gaaatgaaga tgacctcgt tctcgattac
181 atcctgagcc tgttccgcag cgaagacgcc gcccggtcgt tcgttccgc tccgggacgg
241 gccatgacca gtgccgggt gatcgatc gcgccgcacc aaatctcgc ggtggcggcc
301 aatgtggtgc cgggtctgaa tctgggtgcc ggcgacccca tgagcggatt gcggcaggcc
361 gtcgccgctc ggcattggtt tgcgcaggac gtcgcaatg tcggttcgc cggtagcgcg
421 ggccgccccg tggcaagcgt catcacgacc gatgtcgggt cgggcttggc tagcggactg
481 ggtgctgggt tcttgggtca ggggtggcctg gctctcgcg cgtcaagcgg tggtttcggc
541 ggtcaggtcg gcttgggtgc ccaggctcgt ctgggtttta ctgccgtgat tgaggccgag
601 gtcggcgctc aggttgggtc tgggttaggt attgggacgg gtcgtgggtc tcaggccggt
661 atgggctttg gcggcggggg tggcctgggt ctgggtgggc aggcggcgcg tgtgatcgt
721 gggagcgcg cgggggctat cgggtccggc gtcggcggtc gctaggcgcg caatggccag
781 atcgaggttg ccggccaggg tggcgtggc gctggtgtgc gcgctggtg cggcgggcag
841 gcgggcatcg ctagccagat cgggtgtcga gccggtggtg ggctcggcg cgctcgcaat
901 gtcagcggcc tgaccggggg cagcagcaac gcagtgttg cttccaacgc aagcgggcag
961 gcgggggtga tcgccagtga aggcgtgcc tgaacggcg ctgctatgcc tcatctgtc
1021 ggcccgttag ccggtgtcgg tgtgggtggg caggccggcg ccgctggcg cggcggtg
1081 ggcttcggag cggtcgggca cccgactcct cagccggcg ccctgggcgc ggtggtg
1141 gtggccaaga ccgaggcggc tgcgtgagtg gttggcgggg tcggcggggc aaccgcgcc
1201 ggggtcggcg gggcacacgg cgacatcctg ggccacgagg gagccgact gggcagtg
1261 gacacggtca acgcccgtgt cacgcccgtc gagcatggtt tggctcctgc cagtggcccc
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1441 gttaccaaac cgcagcacac gccggtcgag ccgcccgtcc acgataagcc gccagccat
1501 tcggtgttg acgtcggtca cgagccgcc gtgacgcaca cggcgccgc gccatcgaa
1561 ctgcccgtc acggcctttt cggactacce gggttctgat tcgcgagccg attcacgaa
1621 ccggtgggga cgttcattgt cccgcgggt ttgtgcgat accgtgatc gaggcgtaaa
1681 cgagcgagaa agtggggcga cacggtgacc cagcccgatg acccagtcg ggtcggtg
1741 atcgtcgaac tgatcgatca cactatgcc atcgccaaac tgaacgagcg tggtagtcta
1801 gtacagcggg tgacgcggc tcgccagcgg atcaccgacc cgcaggtccg tgtggtgat

CC-13E10-1-1

Figure 6B

1861 gccgggctgc tcaaacaggg caagagtcaa ttgctcaatt cgttgctcaa cctgccccgc
1921 gcgcgagtag gcatgacga ggccaccgtg gtgatcaccg tcgtaagcta cagcgcccaa
1981 ccgtcggccc ggcttgctgt ggccgcccgg cccgacggga caaccgcagc ggttgacatt
2041 cccgtcgatg acatcagcac cgatgtgcgt cgggctccgc acgccggtgg ccgcgaggtg
2101 ttgcgggtcg aggtcggcgc gccagcccc ctgctgcggg gcgggctggc gtttatcgat
2161 actccgggtg tggcgggcct cggacagccc cactgtcgg cgacgtggg gctgctaacc
2221 gaggccgatg ccgtcttggt ggtcagcgac accagccagg aattaccga acccgagatg
2281 tggttcgtgc ggcaggecca ccagatctgt ccggtcgggg cggctgtggc caccaagacc
2341 gacctgtatc cgcgtggcg ggagatcgtc aatgccaatg cagcacatct gcagcgggccc
2401 cgggttcga tgcgatcat cgcagtctca tctgttgc gcagccacgc ggtcacgctt
2461 aacgacaaag agctcaacga agagtccaac tttccggcga tcgtcaagtt tctcagcgag
2521 caggtgcttt cccgcgcgac ggagcgagtg cgtgctgggg tactcggcga aatacgttcg
2581 gcaacagagc aattggcggg gtctctaggt tccgaactat cgggtgtcaa cgaccgaac
2641 ctccgtgacc gacttgcttc ggatttgag cggcgcaaac gggaagccca gcaggcgggtg
2701 caacagacag cgtgtggca gcaggtgtg ggcgacgggt tcaacgacct gactgtgac
2761 gtggaccacg acctacgaac ccgttccgc accgtaccg aagacgccga gcgccagatc
2821 gactctgtg acccgactgc gcattgggcc gagattggca acgacgtcga gaatgcgatc
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3001 ccccacgtca tgggcaccga ctccggccgg ctcaaagcgc tgggccggat ggaatcgaaa
3061 ccgtgcgcc ggggccataa aatgattatc ggcatgcggg gtctctatgg cggcgtgggc
3121 atgattggca tgctgtcgtc ggtggtcggc ctgggttgt tcaaccgct atcggtgggg
3181 gccgggttga tctcggccg gatggcatat aaagaggaca aacaaaaccg gttgctgcgg
3241 gtgcgcagcg aggccaaggc caatgtcgg cgcttcgtc acgacatttc gttcgtcgtc
3301 agcaacaat caggggatcg gctcaagatg atccagcgtc tgctgcgcga cactaccgc
3361 gagatcgccg aagagatcac ccgtcgtc accagatccc tgcaggcgac catcgcgccg
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3481 atctgagcc aggtcaacga caaccttgc ggcttgagc caaccttgac gccccgggcg
3541 agcttgggac gagcgtgagc accagcgacc gggctccgc gattctgcac gcaaccatcc
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4141 tcggcgggtc ggtgggagcc ctgggcatca tcggggtggc gtctcgcgcg gatgagatcg
4201 gcgcggggcg catcgacgc atgctctcgg ccaacgacgt ggccaagcgg ttcaccccg
4261 aactgaacca gatgggcatt tgccaggcgg tgggtccggt atccggactt cttgcgtga

Figure 6C

4321 ccgcgcgcac actgcgccag accgagttca tcgcgtgcg caagctggcc ggtgccgagc
4381 gcaccgagct caatagggcc ctgctgagcg tggaccgttt tgtgcgccgg gacagtccgc
4441 taccggtgga cgcggggcatc cgtgcgcaat tgctcgagcg gttcggcatg ttcggcatcc
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4561 tgctggagcg cagcgggctg gtggcgctgc gcaatgtgat agaccagcag ttcgcgcagc
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4681 atccggtgcc ggcgaccccc tacgtcattg ccgacatcga cccgttgcta gccgacacc
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4861 ggctgggcct ggatcccgcg aattctcgcg aggccccgcg cgcgcgctg gccgcagcgc
4921 aacactggcg tcgccgtgcg gcgcacccac tcaacgatcc gttcactacc agggcctgtc
4981 gcgcggcggt gcgcagcgcc gaggcgatgg tggcggagtt ctctgctcgc cgtcga

52960.1

Figure 7

Rv0341 (iniB)

MTSLIDYILSLFRSEDAARSFVAAPGRAMTSAGLIDIAPHQISSVAANVVPGLNLGAGDPMSSGL
RQAVAAARHGFAQDVANVGFAGDAGAGVASVITTDVGAGLASGLGAGFLGQGGGLALAASSGG
FGGQVGLAAQVGLGFTAVIEAEVGAQVVGAGLGIGTGLGAQAGMGFGGGVGLGLGGQAGGVI
GGSAAAGAIGAGVGGRLGGNGQIGVAGQGAVGAGVGGQAGIASQIGVSAGGGLGGVGN
VSGLTGVSSNAVLASNASGQAGLIASEGAALNGAAMPHLSGPLAGVGVGGQAGAAGGAGLG
FGAVGHPTPQPAALGAAGVVAKTEAAAGVVGGVGGATAAGVGGAHGDILGHEGAALGSVDT
VNAGVTPVEHGLVLPSPGLIHGGTGGYGGMNPPVTDAPAPQVPARAQPMTTAAEHTPAVTQ
PQHTPVEPPVHDKPPSHSVFDVGHEPPVTHTPPAPIELPSYGLFGLPGF

Rv0342 (iniA)

MVPAGLCAYRDLRRKRARKWGDVTVPDDPRRVGVIVELIDHTIAIAKLNERGDLVQRLTRA
RQRITDPQVRVVIAGLLKQKGSQLLNSLLNLPAAARVGDDEATVVITVVSYSQAQPSARLVLAAGP
DGTAAVDIPVDDISTDVRRAPHAGGREVL RVEVGAPSPLLRGGLAFIDTPGVGGLGQPHLSA
TLGGLPEADAVLVVSDTSQEFTEPEMWFVRQAHQICPVGAVVATKTDLYPRWREIVNANAHAH
LQRARVPMPIIAVSSLLRSHAVTLNDKELNEESNFP AIVKFLSEQVLSRATERVRAGVLGEIRSA
TEQLAVSLGSELSVNDPNLRDRLASDLERRKREAAQAVQQTALWQQVLGDGFNDLTADVD
HDLRTRFRFTVTEDAERQIDSCDPTAHWAEIGNDVENAIAATAVGDNFVWAYQRSEALADDVA
RSFADAGLDSVLSAELSPHVMGTDFGR LKALGRMESKPLRRGHKMIIGMRGSYGGVVMIGML
SSVVGLGLFNPLSVGAGLILGRMAYKEDKQNRLLRVRSEAKANVRRFVDDISFVSKQSRDRL
KMIQRLLRDHYREIAEEITRSLTESLQATIAAAQVAETERDNRIRELQRQLGILSQVNDNLAGL
EPTLTPRASLGRA

Rv0343 (iniC)

MSTSDRVRAILHATIQA YRGAPAYRQRGDVFCQLDRIGARLAEPLRIALAGTLKAGKSTLVNAL
VGDDIAPTDAT EATRIVTWFRHGPTPRVTANHRGGRRANVPITRRGGLSFDLRRINPAELIDL
EVEWP AEELIDATIVDTPGTSSLACDASERTLRLLVPADGVPRVD AVVFLRLTLNAADVALLKQI
GGLVGGSVGALGIIGVASRADEIGAGRIDAMLSANDVAKRFTREL NQM GICQAVVPVSGLLAL
TARTLRQTEFIALRKLAGAERTELNRALLSVDRFVRRDSPLPVDAGIRAQLLERFGMFGIRMSI
AVLAAGVTDSTGLAAELLERSGLVALRNVIDQQFAQRSDMLKAHTALVSLRRFVQTHPVPATP
YVIADIDPLLADTHAFEELRMLSLLPSRATT LNDDEIASLRRIIGSGTSAAARLGLDPANSREA
PRAALAAAQHWRRRAAHPLNDPFTTRACRAAVRSAEAMVAEFSARR